

Use Attainability Analysis

for

WBID 0928 Post Oak Creek

Submitted by

City Of Warrensburg

To

Missouri Department of Natural Resources

Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet A - Water Body Identification**

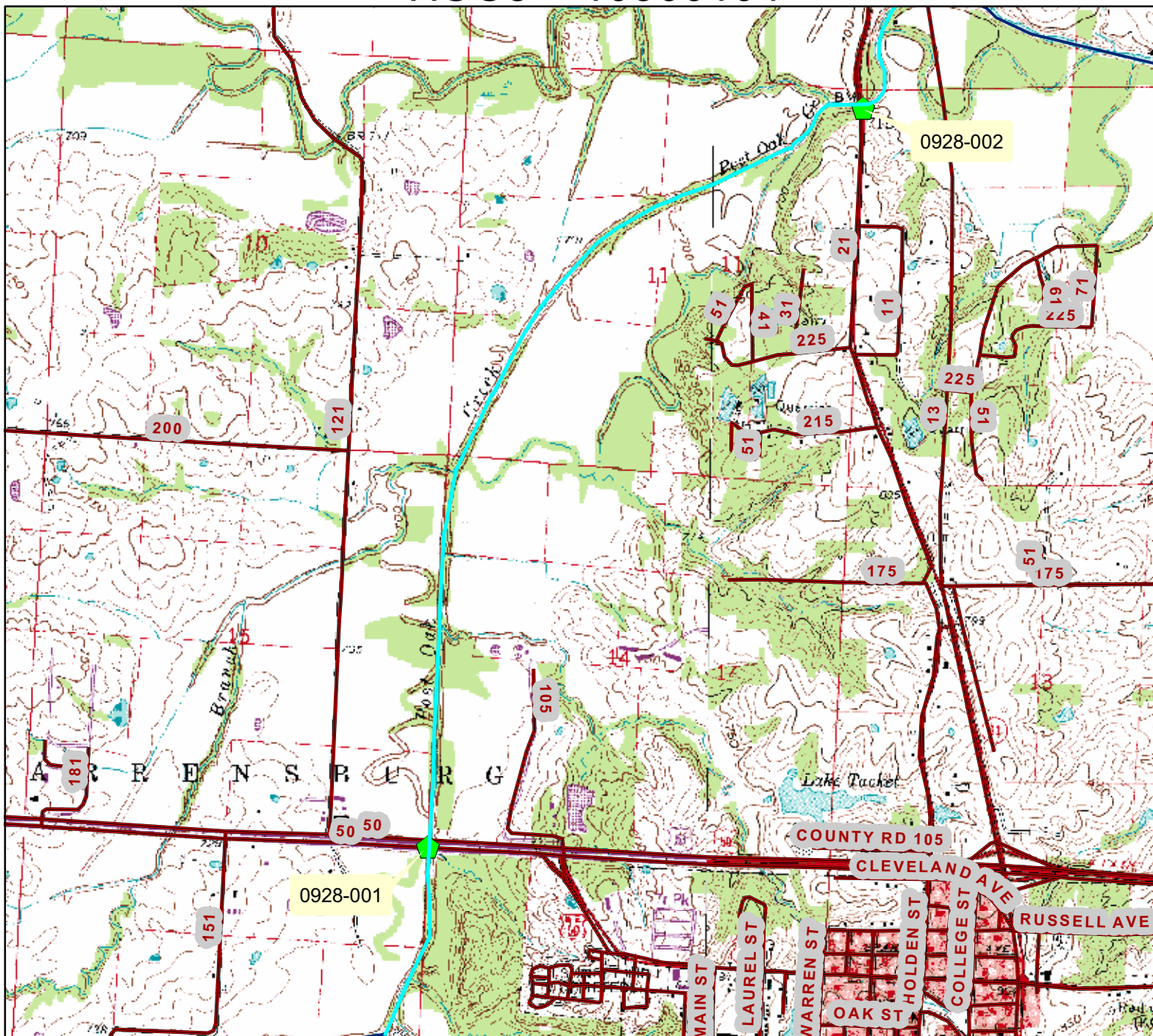
Water Body Name (from USGS 7.5' quad): Post Oak Creek
8-digit HUC: 10300104
Missouri WBID #: 0928
County: Johnson
Upstream Legal Description: 42 91 934N 4 33 721E
Downstream Legal Description: 42 94 913N 4 35 494E
Upstream Coordinates:
Downstream Coordinates:
Discharger Facility Name(s): Warrensburg West Wastewater Treatment Plant
Discharger Permit Number(s): MO-0055905
Number of Sites Evaluated: two
Name of Surveyor and Telephone Number: Jane Downing (660) 747-6923
Organization: City of Warrensburg
Position: Compliance Technician

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.




Signed: Jane Downing Date: 7-14-05

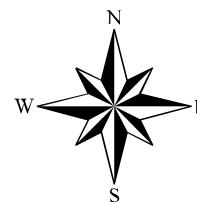
Postoak Creek (P) #0928 Johnson County

HUC8 = 10300104



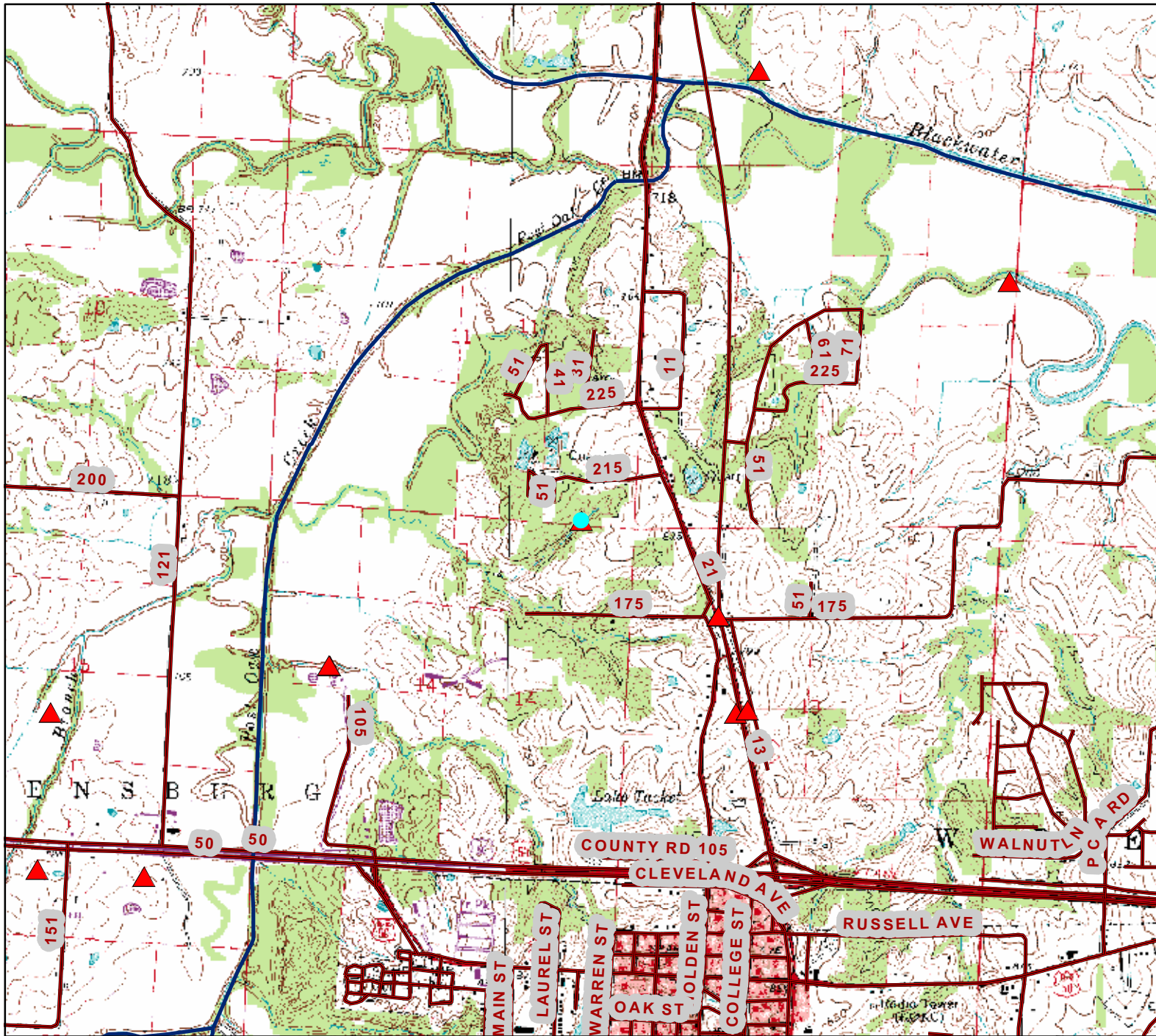
Legend

-  Roads
-  Classified Waterbodies
-  Counties







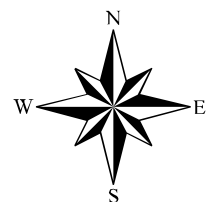
0 0.5 1 2 Miles

M & M MHP
Johnson County
~1.0 miles from Post Oak Creek (#00928)



Legend

-  Roads
-  Point Sources
-  Classified Waterbodies
-  Counties



0 0.35 0.7 1.4 Miles

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization**

(A separate data sheet must be completed for each site)

Missouri WBID #: 0928-001		Site Location Description: 501 Hwy Eastbound Upstream	
Site GPS Coordinates: 42 91 934 N; 4 33 721 E			
Date & Time: 7-13-05 1:50 p.m.		Facility Name: Warrensburg West Wastewater Treatment Plant	
Personnel: Joe Tilden; Jane Downing		Permit Number: MO-0055905	
Current Weather Conditions: 90 degrees Sunny		Weather Conditions for Past 7 days: same	
Photo Ids: Upstream: 0928-001; 0028 004	Downstream: 0298-001 0011-0028 0012	Other:	

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input checked="" type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization**

Page Two -- WBID #0928-001:

Stream Morphology:**Upstream View Physical Dimensions:**

<input checked="" type="checkbox"/> Riffle	Width (ft): 60 ft estimated	Length (ft):	Avg. Depth (ft): at sampling point 1 ft	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): less than 1 ft ³ /sec		

Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 60 ft	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): less than 1 ft ³ /sec		

Substrate*: (These values should add up to 100%.)

% Cobble	50% Gravel	10% Sand	10% Silt	30% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

no algal grow or vegetation observed at the time of visit.

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other: brownish
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

Two photos were taken from the east and westbound lanes on US Hiway 50. At the time of observation traffic was very heavy because of road resurfacing and it made it very difficult and dangerous to obtain the photo's let alone measure the depth from the bridge. Therefore this study only includes estimates.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Jane Downing Date: 7-14-05Organization: City of Warrensburg Position: Compliance Technician

July 14, 2005

Missouri Department of Natural Resources
Attention: Ms. Stacia Bax
P.O. Box 176
Jefferson City, MO 65102-0176 65102

Re: UAA Study performed on Post Oak Creek 0928-001 Upstream

Dear Stacia:

I have enclosed the information obtain on July 13, 2005, for submittal to your office for review. Be advised that we have not obtained any interview information at this time. However, I would like to offer the following comments on the upstream portion of Post Oak.

I have been with the City's Water Pollution Control Office for five years. During that time we have not seen anyone fishing or swimming in the section of our stream because it is private property, the streams steep slopes and shallow pools make it not only difficult to reach but hard to get wet. The only use that our department knows of is trapping in the winter months and an occasional arrowhead hunter.



PHOTO TAKEN UP STREAM LOOKING DOWN AT
SAMPLING POINT AT THE EAST BOUND LANE OF 50 HWY 0928-001



PHOTO TAKEN LOOKING UP STREAM OF THE
SAMPLING POINT AT THE EAST BOUND LANE OF 0928-001



PHOTO TAKEN OF SAMPLING POINT AT
WESTBOUND LANE 50 HWY 0928-001



PHOTO TAKEN UP STREAM OF THE SAMPLING
POINT AT THE WEST BOUND LANE OF 50 HWY

NOTE DATE APPEARING ON PHOTO'S WRONG. ACTUAL DATE TAKEN 7-13-05

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization**

(A separate data sheet must be completed for each site)

Missouri WBID #: 0928-002	Site Location Description: Bridge on old hwy 13 North	
Site GPS Coordinates: 42 94 913N; 4 35 494E		
Date & Time: 7-13-2005 2:30 p.m.	Facility Name: Warrensburg West Wastewater Treatment Plant	
Personnel: Joe Tilden Jane Downing	Permit Number: MO-0055905	
Current Weather Conditions: 90 degrees F Sunny	Weather Conditions for Past 7 days: 90 degrees F sunny dry	
Photo Ids: Upstream: 0928-002 up	Downstream: 0928-002 DN	Other: 0928-002 ROAD CLOSED

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: road closed	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input checked="" type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other: CRABTREE LAGOON INCLUDED IN THIS SAMPLING SITE				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two – WBID #0928-002:

Stream Morphology:

Upstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 60 FT	Length (ft):	Avg. Depth (ft): LESS 2FT	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): LESS THAN 1 FT ³ /SEC		

Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 60 FT	Length (ft):	Avg. Depth (ft): LESS THAN ONE FOOT	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): LESS THAN 1 FT ³ PER SEC		

Substrate*: (These values should add up to 100%.)

% Cobble	60% Gravel	10% Sand	10% Silt	10% Mud/Clay	10% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

NO AQUATIC VEGITAION OR ALGAL GROWTH OBSERVED

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

Slopes and banks remain steep in this area and water is always shallow except for major rain events. not probable that there is any fishing in this area.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Jane Downing Date: 7-14-05
Organization: City of Warrensburg Position: Compliance Tech

July 14, 2005

Missouri Department of Natural Resources
Attention: Ms. Stacia Bax
P.O. Box 176
Jefferson City, MO 65102-0176 65102

Re: UAA Study performed on Post Oak Creek 0928-002 Down Stream

Dear Stacia:

I have enclosed the information obtain on July 13, 2005, for submittal to your office for review. Be advised that we have not obtained any interview information at this time. However, I would like to offer the following comments on the upstream portion of Post Oak.

I have been with the City's Water Pollution Control Office for five years. During that time we have not seen anyone fishing or swimming in the section of our stream because it is private property, the streams steep slopes and shallow pools make it not only difficult to reach but hard to get wet. The only use that our department knows of is trapping in the winter months and an occasional arrowhead hunter. Be aware that another lagoon from Crabtree subdivision discharges into this location. I do not have their permit number at this time.



Road closed at sampling location 0928-002



looking down at sampling location upstream on the west side of the bridge 0928-002



Photo taken of the up stream of the sampling location on the west side of the bridge 0928-002



Photo looking down at the down stream sampling point from the east side of the bridge on old hwy 13 0928-002

NOTE DATE APPEARING ON PHOTO'S WRONG. ACTUAL DATE TAKEN 7-13-05

August 20, 2005

Marlene Kirchner
Clean Water Commission Secretary
P.O. Box 176
Jefferson City, MO 65102

Dear Ms. Kirchner:


I have just read again an article in our Warrensburg paper, The Star Journal, stating that there are plans to exempt three of our local streams from protection from the federal clean water act. The streams are Pin Oak Creek, Postoak Creek, and Walnut Creek. To even consider such a move seems unreasonable and irresponsible not only by whatever local sewage disposal systems that may want it but from your agency as well. At present, we have in place rather stringent regulations about septic systems emptying out on land far from any open streams. If that is to be regulated and enforced, why not a public stream?

In years past, I have gone swimming in Post Oak, and eaten fish from both Post Oak and Blackwater (into which Post Oak drains). I now own land that has ground on both sides of Blackwater just north of Warrensburg. People are still seen fishing there because it can usually be assumed that a public stream is safe from such pollutants. While I no longer swim in creeks as I once did, fish and game still drink the water from the creeks. This water would be undesirable and perhaps unsafe even for them.

I appeal to the Clean Water Commission to do the job for which you have been given a public trust. Do not let us down because some business finds it economically more feasible to do so or some community does not care that other people or animals are subjected to unsafe water. That is, of course, why we have federal regulations. Let's keep them!

Thank you and the Commission for the good work you attempt to do.

Sincerely,


Harold (Pete) Beard
425 NE, State Route 13
Warrensburg, MO 64093

WATER PROTECTION PROGRAM

2005 AUG 23 11:10:59

Aug 23, 2005

Dear Madam/Sirs

I have been following the discussions on the Stream Exemptions in Johnson Co. Mo. So far I am not sure I understand all the pluses (+'s) for such a move but I do see many minuses (-'s).

I am an amateur archaeologist (over 50 years) and enjoy walking the streams of Johnson Co. I enjoy the fish, minnows, crayfish, turtles, mussels, insects, frogs, snakes and all the other inhabitants of our clean streams. As a student of Dr. Oscar Hawksley (emiratus professor at Central Mo. U.) I was taught about the issues of protecting and appreciating the balance of nature. I feel that exempting streams from protection against sewage is a bad idea. Several streams are already unable to have anything live. (One is the small stream next to the Knob Noster sewage lagoon which runs into Clear Fork Creek)

I frequently walk both Post Oak and Walnut Creek often wading in above my waist and both of these flow into Blackwater which I also wade. There are at least twenty (20) others like me that also enjoy these streams and a semi clean environment.

WBID
137

(2)

East Bear creek is now getting a lot of contamination from its close proximity to the Johnson Co. dump site. The ground water that is seeping into it from the small ditch on the north side of the dump is very polluted with debris and contamination. I know it is hard to monitor the many streams of Johnson or any other county in Mo. but between concerned citizens, conservation agents, good political representatives and diligent observation pollution could be reduced. Not eliminated but maybe held in check!

I hope that you will reconsider this current proposal and study the long term effects. I would be glad to accompany anyone wishing to check on these concerns on our environment. Please don't write me off as just another nut. Nature is a big part of our needs and should be a priority for everyone. Our streams and their cleanliness is very, very important. Let's hope we react wisely.

Respectfully yours,
Warren T. Christopher
210 Grover St.
Warrensburg, Mo.
(Johnson Co.)
Phone - 660-429-1143